

From: [Bondy, Garret E](#)
To: [Bucholtz, Paul \(DEQ\)](#)
Cc: [Saric, James](#); [Fortenberry, Chase](#); [Draper, Cynthia E](#); [DeVisser, Anita](#)
Subject: RE: Revised Area 3 SRI/FS Work Plan and Supplemental Field Sampling Plan
Date: Friday, June 28, 2013 4:38:35 PM

Thank you Paul.

Paul and Jim – would you be available for a short call Tuesday at 11 am EDT to discuss the comments?

From: Bucholtz, Paul (DEQ) [mailto:BUCHOLTZP@michigan.gov]
Sent: Thursday, June 27, 2013 4:20 PM
To: Bondy, Garret E
Cc: Fortenberry, Chase; Saric, James; 'Jeff.Keiser@CH2M.com'; King, Todd W. (KingTW@cdmsmith.com); Santini, Andrew (SantiniAD@cdmsmith.com); Bradley, John (DEQ); roth.charles@epa.gov; Canar.john@Epa.gov; Draper, Cynthia E
Subject: RE: Revised Area 3 SRI/FS Work Plan and Supplemental Field Sampling Plan

Garret,

We have reviewed the FSP provided in your June 13 email. Overall we are very pleased with the plan. It looks well thought out and addresses many of the issues that we had discussed in our previous conference call. Our comments generally fall into three broad categories; Incremental sampling, Bank Sampling, and the Mill Race.

Incremental Sampling

1. One procedure had been discussed was conducting limited hand augers in the area of the incremental sampling to confirm the underlying stratigraphy. If we did not overlook the detail in the plan, MDEQ believes it is prudent to conduct some limited hand auguring in the areas of the incremental sampling to confirm the underlying stratigraphy of the sample material
2. MDEQ notes that the residential areas may be areas of high heterogeneity. This is expected due to the distributional heterogeneity typical of floodplains and because the DUs proposed include both exposed (floodplain) and unexposed (upland backyard) "populations". The use of 30 increments is considered minimal and may result in higher than decided error, dependent upon our goals. It may be prudent to increase the number of increments to 49 (7 x 7 grid) to handle the anticipated heterogeneity. At this point it is not clear what number of increments is a best fit and will depend on heterogeneity of the area, sampling goals, and the proximity of the sample results to selected criteria.
3. From a process standpoint we think it will be prudent to identify the sampling procedures before we get in the field. For example:
 - a. Will both intervals be collected from one push of the probe or will intervals be collected separately.
 - a. If collected together and full target depth of 12 inches is not recovered, identify how the aliquots are to be split into the 0-6' interval and 6-12' interval)
 - b. The specific tool to be used is important (in order to predict the proper amount of sample mass).
 - c. Identify a recovery minimum at which point resampling will be conducted
4. It is not clear how the eco assessment will be conducted. It appears that it will be conducted over an approximately 2000 foot stretch of the bank as one DU. Please clarify if multiple DUs will be sampled along the bank. Also, it is not clear if the 683 NGVD will be used as

a hard line for eco sampling, or if the exact extent of the DU(s) will be based on field observations as well

5. 4 A critical component of IS is the laboratory processing of the IS sample after it is collected in the field. The specific lab and the specific lab processing procedures (including the specific subsampling, aliquot mass and analytical methods) will be important to identify before the sampling event.

Bank Sampling

6. It appears from the FSP that different sample core processing is being proposed. MDEQ believes that retaining the previously approved processing regimen is best. For example, collecting cores with 3" Lexan tubes in lifts as appropriate, and dividing samples on the 0-6, 6-12, 12-24, etc. with segregation of material of interest. We understand that the floodplain in area 3 may require hand auguring through the hard upper material, before proceeding with Lexan.

Mill race

7. The inclusion of 4 transects from the river edge, further upstream the former race to the parking lot area is appropriate
8. Make sure transects only occupy former race, as the line (in blue) depicts the race as being wider than arials suggest
9. Once all cores are collected along the transect, the Lexan should be observed and the most interesting core sent for analysis (as opposed to only selecting the middle core). Other cores sent to freezer pending results.
10. For all cores use traditional sectioning.

I wanted to be able to get some comments out to you sooner rather than later. Perhaps a call in advance of the sampling activities, to discuss our comments would be prudent. Give me a call if you want to discuss.

Paul

From: Bondy, Garret E [<mailto:Garret.Bondy@amec.com>]

Sent: Thursday, June 13, 2013 4:07 PM

To: Saric, James

Cc: Abid, Joseph A; Bondy, Garret E; Chase Fortenberry; Draper, Cynthia E; Garry Griffith; Jeff Keiser; Alfano, Judith (DEQ); Julie Sims; Kathryn Huibregtse; Lisa Williams; Mills, Mark (DNR); Martin Lebo; Bucholtz, Paul (DEQ); Richard Gay; Hanshue, Sharon (DNR); Todd Goeks; Todd King

Subject: Revised Area 3 SRI/FS Work Plan and Supplemental Field Sampling Plan

Dear Mr. Saric,

On behalf of Georgia-Pacific LLC, this email transmits the revised Area 3 SRI/FS Work Plan and Supplemental Field Sampling Plan (FSP) documents for federal and state review.

The Area 3 SRI/FS Work Plan and FSP documents have been posted on an FTP site, and can be accessed using the instructions near the bottom of this email. Please note that, due to file sizes, the document has been uploaded as multiple PDFs. Please note that the FTP site is best accessed from Windows Explorer and not an internet browser.

Hard and electronic copies of the documents are being sent out via overnight courier for delivery to

the distribution list indicated on the attached cover letter.

Please contact Chase Fortenberry with any questions you may have concerning the Area 3 SRI/FS Work Plan or Supplemental FSP.

Regards,

Garret E. Bondy, PE
AMEC Environment & Infrastructure
46850 Magellan Drive, Suite 190
Novi, Michigan 48377
Office 248-313-3660
Fax 248--926-4009
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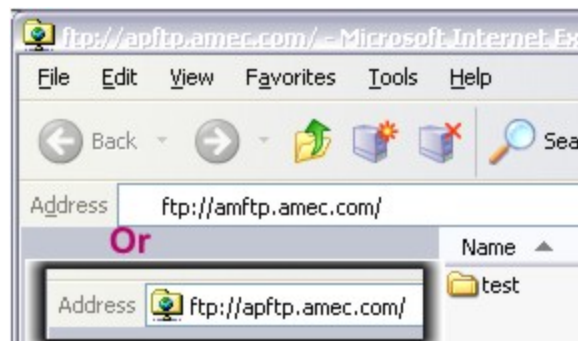
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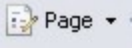
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- When asked for username and password enter these details
 - Username - **area3wp**
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For more information please contact the IT HelpDesk or log your query [online](#)

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ITC0011rev3 20-Jan-2011

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